INDEX

AGHAMIR, F. *See* DOOLING, J. C., YORK, T.M., NIIMURA, M., AGHAMIR, F., MEAD F. B. and SHIEH, D. R.

ALEXOV, E. G. *See* IVANOV, S. T. and ALEXOV, E. G.

ASTHANA, M. *See* GUHA, S. and ASTHANA, M.

BELYI, V. V. and PAIVA-VERETENNICOFF, I. Electrostatic-field fluctuations and form factors in multi-component non-equilibrium plasmas, 1

BEVIR, M. K. *See* DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R.

BRANDENBURG, J. E. A theory of the relaxation of tokamak discharges, 283

BROWNING, P. K. *See* DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R.

CALDELA FO, R. A., SCHNEIDER, R. S. and ZIEBELL, L. F. Inhomogeneity effects on the absorption of electromagnetic high-frequency waves by magnetized Maxwellian plasmas, 335

DAVIDSON, R. C. *See* YOON, P. H. and DAVIDSON, R. C.

DE LA TORRE, A. Energy budget of stable magnetohydrodynamic waves in an inhomogeneous heat-conducing plasma in a strong magnetic field, 475

DEWAR, R. L. and PLETZER, A. Two-dimensional generalizations of the Newcomb equation, 291

DIVER, D. A., LAING, E. W. and SELLAR, C. C. On waves in spatially cyclic equilibria, 101

DIVER, D. A. and LAING, E. W. Mode conversion and transmission in spatially cyclic fields, 107

DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R. Relaxed states in a spheromak with inhomogeneous boundary fields, 357

DOOLING, J. C., YORK, T. M., NIIMURA, M., AGHAMIR F., MEAD, F. B. and SHIEH, D. R. Compact toroid formation, dynamics and lifetime in collisional plasmas generated at high fill pressures, 419

ERIKSSON, H. G. and WAHLBERG, C. A numerical study of strongly nonlinear plasma motion in a magnetic octupole field, 397

GIMBLETT, C. G. *See* DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R.

GUHA, S. and ASTHANA, M. Parametric decay in a two-electron temperature plasma, 451

GUHA, S. *See* HASAN, Z. and GUHA, S.

HADA, T. *See* MJØLHUS, E. and HADA, T.

HAMABATA, H. and NAMIKAWA, T. The effect of random Alfvén waves on the propagation of hydromagnetic waves in a finite-beta plasma, 69

HARVEY, B. M. and LAING, E. W. Self-consistent treatment of cyclotron resonances in inhomogeneous plasmas, 151

HASAN, Z. and GUHA, S. Parametric excitation of a kinetic Alfvén wave at the ion-cyclotron frequency, 457

HELLBERG, M. A. *See* MACE, R. L. and HELLBERG, M. A.

INDEX

AGHAMIR, F. *See* DOOLING, J. C., YORK, T.M., NIIMURA, M., AGHAMIR, F., MEAD F. B. and SHIEH, D. R.

ALEXOV, E. G. *See* IVANOV, S. T. and ALEXOV, E. G.

ASTHANA, M. *See* GUHA, S. and ASTHANA, M.

BELYI, V. V. and PAIVA-VERETENNICOFF, I. Electrostatic-field fluctuations and form factors in multi-component non-equilibrium plasmas, 1

BEVIR, M. K. *See* DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R.

BRANDENBURG, J. E. A theory of the relaxation of tokamak discharges, 283

BROWNING, P. K. *See* DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R.

CALDELA FO, R. A., SCHNEIDER, R. S. and ZIEBELL, L. F. Inhomogeneity effects on the absorption of electromagnetic high-frequency waves by magnetized Maxwellian plasmas, 335

DAVIDSON, R. C. *See* YOON, P. H. and DAVIDSON, R. C.

DE LA TORRE, A. Energy budget of stable magnetohydrodynamic waves in an inhomogeneous heat-conducing plasma in a strong magnetic field, 475

DEWAR, R. L. and PLETZER, A. Two-dimensional generalizations of the Newcomb equation, 291

DIVER, D. A., LAING, E. W. and SELLAR, C. C. On waves in spatially cyclic equilibria, 101

DIVER, D. A. and LAING, E. W. Mode conversion and transmission in spatially cyclic fields, 107

DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R. Relaxed states in a spheromak with inhomogeneous boundary fields, 357

DOOLING, J. C., YORK, T. M., NIIMURA, M., AGHAMIR F., MEAD, F. B. and SHIEH, D. R. Compact toroid formation, dynamics and lifetime in collisional plasmas generated at high fill pressures, 419

ERIKSSON, H. G. and WAHLBERG, C. A numerical study of strongly nonlinear plasma motion in a magnetic octupole field, 397

GIMBLETT, C. G. *See* DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R.

GUHA, S. and ASTHANA, M. Parametric decay in a two-electron temperature plasma, 451

GUHA, S. *See* HASAN, Z. and GUHA, S.

HADA, T. *See* MJØLHUS, E. and HADA, T.

HAMABATA, H. and NAMIKAWA, T. The effect of random Alfvén waves on the propagation of hydromagnetic waves in a finite-beta plasma, 69

HARVEY, B. M. and LAING, E. W. Self-consistent treatment of cyclotron resonances in inhomogeneous plasmas, 151

HASAN, Z. and GUHA, S. Parametric excitation of a kinetic Alfvén wave at the ion-cyclotron frequency, 457

HELLBERG, M. A. *See* MACE, R. L. and HELLBERG, M. A.

HERNÁNDEZ, R. An approach to the collisional heating rates of an anisotropic plasma, 173

HINATA, S. and KISHI, H. Collisional relaxation of relativistic and degenerate electrons, 311

IVANOV, S. T. and ALEXOV, E. G. Electromagnetic waves in a plasma waveguide, 51

JARDINE, M. and PRIEST, E. R. Energetics of compressible models of fast steady-state magnetic reconnection, 141

KISHI, H. *See* HINATA, S. and KISHI, H.

LAING, E. W. *See* DIVER, D. A., LAING, E. W. and SELLAR, C. C.

LAING, E. W. *See* DIVER, D. A. and LAING, E. W.

LAING, E. W. *See* HARVEY, B. M. and LAING, E. W.

LO SURDO, C. Quasi-static evolution of a dissipative plasma column in vacuum, 217

MACE, R. L. and HELLBERG, M. A. Higher-order electron modes in a two-electron-temperature plasma, 239

MCKENZIE, J. F. *See* NAIDU, K., ZANK, G.P. and MCKENZIE, J. F.

MEAD, F. B. *See* DOOLING, J. C., YORK, T. M., NIIMURA, M., AGHAMIR, F., MEAD, F. B. and SHIEH, D. R.

MILIĆ, B. S. Excitation of long-wave quasi-perpendicular electrostatic ion-cyclotron waves in multi-species weakly ionized plasmas, 23

MJØLHUS, E. and HADA, T. Oblique stability of circularly polarized MHD waves, 257

NAIDU, K., ZANK, G. P. and MCKENZIE, J. F. Wave properties of an ion-beam system with a strong magnetic field, 385

NAMIKAWA, T. *See* HAMABATA, H. and NAMIKAWA, T.

NIIMURA, M. *See* DOOLING, J. C., YORK, T. M., NIIMURA, M., AGHAMIR, F., MEAD, F. B. and SHIEH, D. R.

ØIEN, A. H. Kinetic equations for a non-uniform plasma in strong fields and resulting particle transport, 189

PAIVA-VERETENNICOFF, I. *See* BELYI, V. V. and PAIVA-VERETENNICOFF, I.

PANCHENKO, V. G. *See* PAVLENKO, V. N. and PANCHENKO, V. G.

PAVLENKO, V. N. and PANCHENKO, V. G. Scattering of electromagnetic waves by anomalous fluctuations of a magnetized plasma, 165

PLETZER, A. *See* DEWAR, R. L. and PLETZER, A.

PRIEST, E. R. *See* JARDINE, M. and PRIEST, E. R.

PRIEST, E. R. *See* DIXON, A. M., BROWNING, P. K., BEVIR, M. K., GIMBLETT, C. G. and PRIEST, E. R.

SCHNEIDER, R. S. *See* CALDELA FO, R. A., SCHNEIDER, R. S. and ZIEBELL, L. F.

SELLAR, C. C. *See* DIVER, D. A., LAING, E. W. and SELLAR, C. C.

SHIEH, D. R. *See* DOOLING, J. C., YORK, T. M., NIIMURA, M., AGHAMIR, F., MEAD, F. B. and SHIEH, D. R.

SHIVAMOGGI, B. K. Excitation of surface waves in magnetohydrodynamics, 183

SINGH, A. and SINGH, T. The effect of a static magnetic field on the growth of a rippled electromagnetic beam, 465

SINGH, T. *See* SINGH, A. and SINGH, T.

WAHLBERG, C. *See* ERIKSSON, H. G. and WAHLBERG, C.

WEYSSOW, B. Motion of a single charged particle in electromagnetic fields with cyclotron resonances, 119

WRIGHT, A. N. On the existence of transverse MHD oscillations in an inhomogeneous magnetoplasma, 83

YOON, P. H. and DAVIDSON, R. C. Alternative representation of the dielectric tensor for a relativistic magnetized plasma in thermal equilibrium, 269

YORK, T. M. *See* DOOLING, J. C., YORK, T. M., NIIMURA, M., AGHAMIR, F., MEAD, F. B. and SHIEH, D. R.

ZANK, G. P. *See* NAIDU, K., ZANK, G. P. and MCKENZIE, J. F.

ZIEBELL, L. F. *See* CALDELA FO, R. A., SCHNEIDER, R. S. and ZIEBELL, L. F.

BOOK REVIEW

Transport Processes in Plasmas. Vol. 1: *Classical Transport*, Vol. 2: *Neoclassical Transport*, by R. Balescu, 483